

Title (en)

HIGH RESOLUTION BROADBAND MONOLITHIC SPECTROMETER AND METHOD

Title (de)

HOCHAUFLÖSENDES BREITBANDIGES MONOLITHISCHES SPEKTROMETER UND VERFAHREN

Title (fr)

SPECTROMÈTRE MONOLITHIQUE À LARGE BANDE HAUTE RÉOLUTION ET PROCÉDÉ

Publication

EP 3400428 A1 20181114 (EN)

Application

EP 17702963 A 20170106

Priority

- EP 16150569 A 20160108
- NL 2017050004 W 20170106

Abstract (en)

[origin: WO2017119812A1] A monolithic spectrometer (10) for spectrally resolving light (L), comprises a body (2) of solid material having optical surfaces (3,4,5,6a-6c,8) configured to guide the light (L) along an optical path (E1,E2,E3,E4) inside the body (2). The optical surfaces of the body (2) comprise a segmented focusing surface (6a,6b) comprising first and second continuously functional optical shapes (Ca,Cb) to focus received parts of respective beams (La,Lb) onto respective focal position (fa,fb) in an imaging plane (P) outside the body (2). The second continuously functional optical shape (Cb) is separated from the first continuously functional optical shape (Ca) by an optical discontinuity (Dab) there between.

IPC 8 full level

G01J 3/02 (2006.01); **G01J 3/18** (2006.01)

CPC (source: EP US)

G01J 3/0208 (2013.01 - EP US); **G01J 3/021** (2013.01 - EP US); **G01J 3/0259** (2013.01 - EP US); **G01J 3/18** (2013.01 - EP US); **G01J 3/2823** (2013.01 - US); **G01J 2003/1204** (2013.01 - US); **G01J 2003/1282** (2013.01 - EP US)

Citation (search report)

See references of WO 2017119812A1

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BA ME

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